

## Abstract of the Disclosure

In illuminated local areas occupants are actively detected to facilitate control of the illumination and possibly other local parameters such as temperature. The emitted light in each local area is uniquely modulated to identify the respective area. The modulated light is detected by any wearable occupancy detectors in the local areas, which transmit detector-locator signals to lighting control units, thereby identifying which local areas are occupied. These signals may also uniquely identify the respective detectors, thereby enabling a lighting system controller to determine the number and identities of the detectors in each local area.